(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/052065 A1

(51) International Patent Classification7: C09D 11/00

C09B 31/28,

(21) International Application Number:

PCT/GB2004/004868

(22) International Filing Date:

18 November 2004 (18.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0326980.0

20 November 2003 (20.11.2003) GB

0326997.4 20 November 2003 (20.11.2003) (71) Applicant (for all designated States except US): AVECIA

- INKJET LIMITED [GB/GB]; PO Box 42, Hexagon Tower, Blackley, Manchester M9 8ZS (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MISTRY, Prahalad, Manibhai [GB/GB]; P.O. Box 42, Hexagon House, Blackley, Manchester M9 8ZS (GB). BRADBURY, Roy [GB/GB]; P.O. Box 42, Hexagon House, Blackley, Manchester M9 8ZS (GB).
- (74) Agents: TEASDALE, Nicola, Joanne et al.; Avecia Inkjet Limited, Intellectual Property Group, PO Box 42, Hexagon Tower, Blackley, Manchester M9 8ZS (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(T)

(54) Title: TRISAZO-DYESTUFFS

$$-N=N-B-N=N-D$$

$$+O_3S$$

(57) Abstract: A compound of Formula (1) or salt thereof: (formula 1); wherein: A is optionally substituted phenyl or naphthyl; B is optionally substituted phenylene or naphthylene; n is 0 or 1; and D is a pyrazolyl group, with the proviso that when A is an optionally substituted phenyl group and B is a phenylene group of formula: (T); wherein Ra is OH or a C1-4-alkoxy group; and Rb is H or a C₁₋₄-alkyl group, hydroxy group, C₁₋₄-alkoxy group, C₁₋₃-dialkyamino group or a group of the formula NHCORc (wherein Rc is C₁₋₃-alkyl or an amino group); and * shows the point of attachment to the azo linkages on B in formula (1); A is free from nitro groups. Also, claimed are compounds, compositions and ink-jet cartridges for use in an ink-jet printer and substrate printed with an ink-jet printer.